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12/1/82



EPA PROJECT
ECOLOGY AND ENVIRONMENT, INC.

MEMORANDUM: REGION V

COST CENTER EP151-5

TO: Mr. Bill Simes

FROM: Technical Assistance Team

VIA: Mr. Scott McCone, TATL

SUBJECT: Monitoring of Cleanup at Danville Plating Company,
Danville, Illinois (5-8211-5)

DATE: December 1, 1982

COMMENTS:

On Monday, November 29, 1982, TAT Leader Scott McCone and TAT member Lisa Perenchio arrived at the Danville Plating Company to monitor the cleanup. A command post was set up and the building was opened up to allow more light and ventilation. A cyanide drum was overpacked and the liquids in the west room were pumped out and solidified.

On Tuesday, November 30, 1982, sludges in west room were solidified and put into recovery drums. Empty vats and debris in west room were washed down and removed from the building. The west room floor was scraped and the center room floor was washed down. Wash water was sucked into vacuum truck.

Attached to this report are the log and daily CERCLA summary sheets. Also attached is the CERCLA daily work order for November 29, 1982. Bill Simes has the work order for November 30, 1982. The Roy F. Weston TAT will monitor the remainder of the cleanup.

A handwritten signature in cursive script that reads "Lisa Perenchio".

Lisa Perenchio

DANVILLE PLATING COMPANY

DANVILLE, ILLINOIS

DAILY LOG

Monday - November 29, 1982

Weather: Overcast, light mist, 50°F, winds out of the south.

Log for Today

1030 TAT Leader Scott McCone and TAT member Lisa Perenchio arrived on site. OSC Bill Simes informed TAT that Petrochem arrived at 0830. Scott McCone suggested that the door on the north side of the building be opened to provide an additional escape route and more light and ventilation. He also suggested that the liquids in the west room be pumped out of the window for easier access.

Ed Gielow, ESDA Communicator was on site and will be for the duration of the cleanup.

1100 TAT donned level "C" protection and monitored several locations in the building with hydrocyanic acid draeger tubes. The only reading detected was 2 ppm in the southwest corner of the building.

1130 TAT instructed Petrochem on how to fill out the 1900-55 forms.

1145 Break for lunch.

1215 Returned from lunch. Petrochem was removing the plywood from the doors and windows of the building.

1230 Scott McCone noticed that a light was on in the electrical box outside of the building, indicating that power was still going to the box even though the electricity was supposed to be turned off.

1240 Door on north side of building was opened. Solidification will not begin until 1430, when the high school across the street gets out for the day.

1320 Two tons of lime arrived on site from the Material and Fuel Company of Danville.

1350 Bill Simes and Gary Steele, IEPA, departed to ask residents downwind (north) of building to evacuate for three hours during solidification in case of a vapor release.

- 1425 Cement mixer arrived on site. George Burnett of Illinois Power arrived to cut power lines to building.
- 1435 Power lines were cut.
- 1440 Assistant Chief Hardesty, Danville Fire Department, Paul Krabbe, City Health Inspector, Clark Baker, City Engineer, and John Schaffer, City and County Emergency Services and Disaster Agency (ESDA) arrived on site.
- 1450 Mr. Lockhart, a resident downwind, returned home and was asked to evacuate. He refused, agreeing to remain at his own risk. The air compressor would not start. Ellen Ellis and Alva Devore of Illinois Power joined George Burnett to disconnect and remove electrical box.
- 1535 The cyanide drum was placed in a recovery drum and overpacked with vermiculite. A new air compressor arrived on site.
- 1545 Pumping and solidification of liquid in west room began.
- 1600 Messrs. Hardesty, Krabbe, Baker, and Schaffer departed.
- 1700 Pumping and solidification of liquids in west room was completed.
- 1730 Security guard arrived on site.
- 1800 Site was secured.
TAT and Petrochem departed.

Tuesday - November 30, 1982

Weather: Partly sunny, 55°F, winds out of the south.

Log for Today

- 0745 TAT and Petrochem arrived on site. Daily forms were completed.
- 0830 Equipment van with 60 recovery drums and 4 drums of sodium hypochlorite arrived.
- 0840 Illinois Bell representative Ron Thiede arrived to install site phone.
- 0920 Drums were unloaded. Solidification equipment was set up in new location.

0930 Removal of sludges in west room commenced.

1030 Washdown of debris can begin as soon as the city turns the water back on. Gary Steele, IEPA, monitored solids cleanup with draeger tubes. No cyanide was detected.

1100 A section of the wall under a window on west wall was knocked down to facilitate removal of empty vats.

1200 Gary Steele, IEPA monitored operations with draeger tubes and obtained readings of 0.5 ppm in the southwest corner of the building and 1.0 ppm on the north wall.

1215 Break for lunch.

1230 Returned from lunch and work resumed.

1345 Marion Case of Petrochem was concerned that even after washdown, the vats could not be considered decontaminated because of the heavy scaling. Bill Simes decided to take a composite sample of the scale to determine if the vats could be taken to a landfill as special waste.

1530 Mr. Vanetti arrived on site and informed Gary Steele that the drums outside of the building were solution from defunct plating company taken by the Danville Plating Company about 20 years ago and have been there, untouched, ever since.

1550 Washdown of debris and center room was completed. All wash water was sucked into the vacuum truck.

1630 Work was completed for the day and TAT departed.

DAILY SUMMARY CERCLA CLEANUP

Date: November 29, 1982 Time Commenced Work 0830 Time Completed Work 1800

Facility: Danville Plating Company

Contractor(s): Petrochem

Type of Personnel: 2-Superintendents, 1-Supervisor, 3-Operators, 1-Laborer

Equipment Utilized: Utility Truck, Air Compressor, Decontamination

Trailer, 2-Personnel Vehicles, Vacuum Truck, BobCat, Level "C"

Protective equipment - 2 sets/day/man, Drum Cart, 250' Air/Water Hose,

25-Recovery Drums, 2-Air Diaphragm Pumps, 125' Suction Discharge Hose,

2-Generators with Lights.

Scope of Work Completed: Mobilization, building was opened up for light
and ventilation, Liquids in vats in west side of building were pumped
out and material was solidified, cyanide drum was put into a recovery
drum and packed with vermiculite.

Comments: Residents downwind were evacuated during solidification.

One resident, Mr. Lockhart, refused to leave and was warned that he was
remaining at his own risk. Electrical lines to building were cut
after it was discovered that there was still power going to the
building.

Future Plans: Wash down and removal of empty vats and debris in west side
of building. The floor will be scraped and washed down in west side.
Disposal options of material in east side of building will be decided.

DAILY SUMMARY CERCLA CLEANUP

Date: November 30, 1982 Time Commenced Work 0745 Time Completed Work 1630

Facility: Danville Plating Company

Contractor(s): Petrochem

Type of Personnel: 2-Superintendents, 1-Supervisor, 3-Operators,
2-Laborers

Equipment Utilized: Equipment Van, Utility Truck, Air Compre-sor,
Decontamination Trailer, 2-Personnel Vehicles, Vacuum Truck, Bobcat,
Level "C" Protective Equipment, 2-Sets/day/man, Drum Cart, 250' Air/
Water Hose, 25-Recovery Drums, 2-Air Diaphragm Pumps, 125' Suction
Discharge Hose, 2-Generators with lights

Scope of Work Completed: Sludges in vats were solidified and put into drums.
Empty vats and debris were decontaminated and removed from west side of
building. Floor in west side was scraped. Floor in middle room
was washed down. Wash water was sucked into vacuum truck.

Comments: A composite sample of the liquids in east room was sent to
CECOS/CER who may take them to their landfill in Calumet.

Future Plans: Wash down of floor in west room removal and washdown
of debris in east room.

CERCLA DAILY WORK ORDER		Page 1 of 1	
Work Site: Danville Plating		Contract No.: 68-95-0052	Site/Spill No.:
Location and Region: Danville, IL Region V		Date: 11/29/82	Shift:
Contractor: Petrochem		On-Site Representative:	
1. MONITOR(S)			
Bill Simes, OSC/U.S. EPA			
Scott McCone and Lisa Perenchio (TAT) Ecology and Environment			
2. DESCRIPTION OF WORK TO BE PERFORMED			
Set up command post, pick up debris, secure area, set up drainage system, commence solidification in west room.			
3. AMENDMENTS (Include Time and Authorizing Person)			
4. NUMBER OF PERSONNEL AUTHORIZED			
1 Supervisors		2 Foreman	3 Operators
1 Laborers		Other (Specify):	
5. EQUIPMENT AND EXPENDABLE MATERIALS AUTHORIZED			
Item	Quantity	Item	Quantity
Level C Protection	2/man/day		
I certify that the above work is ordered and authorized by the contractor in the performance of the above cited contract.		I fully understand my obligation to the EPA in the conduct of my contract, and as directed by the confines of this Work Order.	
Signature of OSC Representative:		Signature of Contractor's Representative:	

1. Contract Number 68-95-0052	2. Effective Date NOVEMBER 26, 1982	3. Negotiation Authority: 41 U.S.C. 252(c) (2)										
4. Issued By U.S. ENVIRONMENTAL PROTECTION AGENCY REGION VI 536 S. CLARK STREET CHICAGO, ILLINOIS 60605		5. Administered By Environmental Protection Agency Headquarters Procurement Operations (PM-214-F) 401 M Street, S.W. Washington, D.C. 20460										
6. Contractor Name and Address PETROCHEM SERVICES, INC. P.O. Box 337 LEWISTON, ILLINOIS 60439		7. Paying Office Environmental Protection Agency Financial Management Division (MD-32) Attn: Contracts Financial Operations and Information Section Research Triangle Park, N.C. 27711										
8. Accounting and Appropriation Data <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Appropriation Number</th> <th style="text-align: left; border-bottom: 1px solid black;">DCN</th> <th style="text-align: left; border-bottom: 1px solid black;">Account Number</th> <th style="text-align: left; border-bottom: 1px solid black;">Object Class</th> <th style="text-align: left; border-bottom: 1px solid black;">Obligated Amount</th> </tr> <tr> <td>68-20X8145</td> <td>549001</td> <td>3 TFA 725E99</td> <td>25.35</td> <td>\$ 50,000.00</td> </tr> </table>		Appropriation Number	DCN	Account Number	Object Class	Obligated Amount	68-20X8145	549001	3 TFA 725E99	25.35	\$ 50,000.00	9. Incident Number N/A
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68-20X8145	549001	3 TFA 725E99	25.35	\$ 50,000.00								
		10. Activity Code N/A										

11. SCHEDULE

ARTICLE I - STATEMENT OF WORK

The Contractor shall furnish the necessary personnel, materials, services, facilities, and otherwise do all things necessary for or incident to the performance of the work set forth below:

1. SAMPLE AND ANALYZE ALL VATS, DRUMS, AND OTHER CONTAINERS FOR HEAVY METALS, CHLORIDES AND OTHER PRIORITY POLLUTANTS
2. NEUTRALIZE, SOLIDIFY AND/OR DISPOSE OF ALL LIQUIDS AND SOLIDS PRESENT INSIDE AND OUTSIDE THE DANVILLE PLATING FACILITY
3. DECONTAMINATE THE WALLS AND FLOORS OF THE BUILDING AS WELL AS ALL CONTAINERS AND DEBRIS PRESENT IN THE BUILDING.
4. TRANSPORT ALL CONTAMINATED LIQUIDS AND SOLIDS IN ACCORDANCE WITH DOT REGULATIONS AND DISPOSE OF THE MATERIAL IN AN APPROVED DISPOSAL SITE
5. PREPARE AND MAINTAIN A SITE SAFETY PLAN IN ACCORDANCE WITH OSHA REQUIREMENTS
6. MAINTAIN ON SITE SECURITY AT THE SITE FOR THE DURATION OF THE PROJECT
7. COMPLETE ALL REQUIRED FORMS TO DOCUMENT THE CLEANUP INCLUDING EPA FORM 1900-55 ON A DAILY BASIS
8. PROVIDE THE FEDERAL OSC WITH A FINAL REPORT AND BILL WITHIN 30 DAYS AFTER THE COMPLETION OF THE PROJECT.

(See Continuation of Schedule on pages 2 through 9)

MWPD

12. Name of Contractor By <u>Marion D. Case</u> (Signature of Person Authorized to Sign)	15. United States of America By <u>William W. Simes</u> (Signature of Contracting Officer)
13. Name and Title of Signer (Type or Print) MARION D. CASE MANAGER TECH. SERVICES	14. Date Signed 11/26/82
16. Name of Contracting Officer (Type or Print) WILLIAM W. SIMES	17. Date Signed 11/26/82